

CLAIMS:

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1. An alarm system comprising a cable between an alarm panel and an event sensor, the cable comprising two  
5 conductors, and circuitry associated with said conductors for providing current to the event sensor and detecting changes in said current to indicate tampering at the sensor, severing of the cable and/or an event detected by the sensor.

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2. The alarm system of Claim 1 wherein said circuitry is located in a housing from which the two-conductor cable extends and providing a short six-conductor cable for connection to an existing alarm control panel.

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3. The alarm system of Claim 2 wherein shorting of the cable provides a maximum current state, an event detection by the sensor provides a medium current state, normal operating conditions provide a low current state, a  
20 severed cable or tampering with the event sensor provides a very low or no current state in said conductors, and said circuitry reacts to the current state of the conductors to provide appropriate conditions to each conductor of said six-conductor cable for recognition by  
25 said alarm control panel.